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# THE PLANT DISEASE REPORTER



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A Revised Check List of the Parasitic Fungi  
on Cereals and Other Grasses in Oregon

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The Plant Disease Reporter is issued as a service to plant pathologists throughout the United States. It contains reports, summaries, observations, and comments submitted voluntarily by qualified observers. These reports often are in the form of suggestions, queries, and opinions, frequently purely tentative, offered for consideration or discussion rather than as matters of established fact. In accepting and publishing this material the Division of Mycology and Disease Survey serves merely as an informational clearing house. It does not assume responsibility for the subject matter.



A REVISED CHECK LIST OF THE PARASITIC FUNGI ON CEREALS  
AND OTHER GRASSES IN OREGON<sup>1/</sup>

Roderick Sprague<sup>2/</sup>

Plant Disease Reporter  
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The first preliminary list of the diseases of cereals and grasses in Oregon<sup>3/</sup> was issued in 1935 and additions<sup>4/</sup> were added in 1937. These two lists are here combined together with further additions.

Oregon is well adapted to the growing of both cereals and grasses. The State is roughly divided by the Cascade Range into the humid western portion and the drier, semi-arid eastern region. The western portion is again partitioned into a narrow, very humid coastal strip flanked by the low Coast Range dividing the coast area from the wide Willamette Valley where winter rainfall is heavy and summer weather dry. Northward the Willamette drains into the Columbia River which breaks through the Cascade Range from the east. South of the Willamette Valley is a rugged area of valleys and hills extending to the Siskiyou Mountains on the California border. Eastern Oregon is a high plateau of sagebrush and grassland, with the eastern portion featured by the conifer-covered Blue Mountains and granitic Wallowa Mountains. Wheat is extensively grown in central Oregon, and in the vicinity of the Blue Mountains in Union and Umatilla Counties it is the major crop.

Diseases of grasses in Oregon are found throughout the State, but the most serious troubles occur in the humid coastal strip or, during the mild winter months, in the Willamette Valley. The native dry land blue-grasses and bunchgrasses are parasitized by a number of fungi, but the dry season which comes after the spring rains cease is, in general, unfavorable for the development of grass diseases in the interior country. Certain rusts, smuts, rootrots, and powdery mildews, however, are sometimes abundant.

This list is for the purpose of furnishing a ready reference to all known diseases of cereals or grasses in Oregon. During recent years there has been increasing interest in the long-neglected group of grass diseases. While it is realized that many of the fungi listed in this article cannot, from a practical standpoint, be considered in a control program, it is

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<sup>1/</sup> Cooperative investigations between the Divisions of Cereal Crops and Diseases and Forage Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture, and the Oregon Agricultural Experiment Station, contribution from the Department of Botany.

<sup>2/</sup> Associate Pathologist, Division of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture.

<sup>3/</sup> A preliminary check list of the parasitic fungi on cereals and other grasses in Oregon. Plant Disease Reporter 19:156-186. 1935.

<sup>4/</sup> Additions to the check list of the parasitic fungi on cereals and other grasses in Oregon (1935-37). Plant Disease Reporter 21:412-422. 1937.



important that a relatively complete list be assembled. A great deal of study must eventually be made to determine their host range, ecology and, where destructive, their control. As mentioned above, the diseases of grasses in the western portion of Oregon, particularly those of bent grasses, need study as they are destructive.

The writer is indebted to all of his colleagues who aided in the earlier lists. C. R. Orton determined the species of Phyllachora. Several of the grasses collected recently were identified by Agnes Chase and others by Helen Gilkey and Garland Powell. George Fischer determined certain species of smuts and rusts.

In citing authority for inclusion of the various fungi in this list, the writer wherever possible has again referred to representative collections in the Mycological Collections of the Department of Botany, Oregon State College, Corvallis, Oregon. Otherwise he has referred to specific references in reliable texts or, in a few cases, he has cited the fungi as having been seen and determined but collections not preserved. The collections at Corvallis now contain several thousand specimens of these fungi on Gramineae. A large number of duplicates have been sent to the Mycological Collections of the Bureau of Plant Industry, Washington, D.C., while representative collections also have been sent to Washington State College, Pullman, Washington, and to the University of Idaho, Moscow, Idaho.

The present list includes 677 citations of fungi on separate hosts.

Hitchcock (5) was again followed in classification of the grasses and cereals. Varieties except in rare instances were not segregated and the polymorphic group Bromus carinatus, B. marginatus, and B. polyanthus has been included under the one name, B. carinatus.

# LIST OF FUNGI BY HOST PLANTS

Host and fungus or disease		Where found	Literature or specimen a/
Latin name	Common name		
AEGILOPS CYLINDRICA Host.			
Cercospora herpotrichioides	JOINTED GOATGRASS	Union County	(14)
Fron			
AEGILOPS OVATA L.			
Cercospora herpotrichioides	LITTLE GOATGRASS	Union County	(14)
Fron			
Puccinia rubigo-vera tritici	Cercospora herpotrichioides	b/	(2)
(Eriks. & Henn.) Carl.	Leaf rust		
AEGILOPS TRIUNCIALIS L.			
Cercospora herpotrichioides	BARBED GOATGRASS	Union County	(14) 10,210
Fron			
AGROPYRON CRISTATUM (L.) Gaertn.			
Claviceps purpurea (Fr.) Tul.	CRESTED WHEATGRASS	Astoria in plots	3393
Epicoccum purpurascens Ehrbg.	Ergot	Astoria in plots	10,495
Fusarium culmorum (W. G. Sm.) Sacc.	Head mold	Wasco County	c/
F. oxysporum Schl.	Root rot	Wasco & Sherman Co.	c/
Puccinia glumarum (Schm.) Eriks.	Secondary pink root	Moro	7530
& Henn.	Stripe rust	Exp. Sta., Union	Fischer's Collections
Ustilago hypodytes (Schl.) Fr.	Stem smut		

- a/ Numbers in parentheses refer to literature citations at end of text; other numbers not in parentheses refer to specimen numbers in the mycological herbarium of the Department of Botany, Oregon State College, Corvallis, Oregon.
- b/ Information lacking.
- c/ Pure culture isolations made in Oregon by the writer, 1929-40.

<p>AGROPYRON DASYSTACHYUM (Hook.) Scribn. (<i>A. lanceolatum</i> Scribn. &amp; Smith) <i>Ascospora graminis</i> Lind. <i>Erysiphe graminis</i> DC. <i>Puccinia graminis</i> Pers. <i>P. rubigo-vera</i> (DC.) Wint. <i>Rhynchosporium secalis</i> (Oud.) J.J. Davis <i>Scolecotrichum graminis</i> Fekl.</p>		<p>THICKSPIKE WHEATGRASS (Downy wheatgrass) Mold Powdery mildew Stem rust Leaf rust Leaf scald Leaf stripe</p>		<p>Biggs, Celilo Wasco &amp; Sherman Co. Sherman County Redmond, Celilo Wasco County Jackson, Sherman and Wasco Counties</p>		<p>10,809 10,224 (2, 7) (2, 7) 10,054 10,059</p>	
<p><i>Selenophoma donacis</i> (Pass.) Sprague &amp; Johnson var. <i>stomaticola</i> (Bauml.) Sprague &amp; Johnson</p>		<p><i>Selenophoma</i> sp. ?</p>		<p>Celilo Falls</p>		<p>673</p>	
<p>AGROPYRON INERMIE (Scribn. &amp; Smith) Rydb. (<i>A. spicatum inerme</i> Scribn. &amp; Smith) <i>Erysiphe graminis</i> DC. <i>Scolecotrichum graminis</i> Fekl.</p>		<p>BEARDLESS WHEATGRASS  Powdery mildew Leaf stripe  Leaf mottle</p>		<p>Rufus Klamath Falls &amp; Rowena Rowena</p>		<p>10,928 10,056 c/ 10,378</p>	
<p><i>Septoria elymi</i> Ell. &amp; Ev.</p>		<p>SLENDER WHEATGRASS</p>		<p>Union Andrews Union Union Upper Klamath Marsh Exp. Sta., Union</p>		<p>10,693 (W.A.F., 164)d/ 10,692 10,695 527 Fischer's Coll.</p>	
<p>AGROPYRON TRACHYCAULUM (Link) Malte (<i>A. tenerum</i> Vasey, <i>A. pauciflorum</i> (Schw.) Hitch.) <i>Claviceps purpurea</i> (Fr.) Tul. <i>Erysiphe graminis</i> DC. <i>Puccinia graminis</i> Pers. <i>P. montanensis</i> Ell. <i>Scolecotrichum graminis</i> Fekl. <i>Ustilago striaeformis</i> (Westd.) Niessl</p>		<p>QUACKGRASS Leaf rot Ergot Brown leaf speckle</p>		<p>Corvallis Hood River Alsea Valley</p>		<p>10,117 10,697 10,752</p>	
<p>AGROPYRON REPENS (L.) Beauv. <i>Bacterium</i> sp. <i>Claviceps purpurea</i> (Fr.) Tul. <i>Helminthosporium tritici-repentis</i> Died.</p>							



Puccinia rubigo-vera (DC.) Wint.	Leaf rust	Warrenton	10,312
Rhynchosporium secalis (Oud.) J.J.Davis	Leaf scald	Corvallis	10,117
Septoria elymi Ell. & Ev.	Leaf mottle	Silver Creek Falls	10,282
Ustilago hypodytes (Schl.) Fr.	Stem smut	& 6 miles N. of Eugene	465
		Hood River	336
AGROPYRON SMITHII Rydb.	WESTERN WHEATGRASS		
Scolecotrichum graminis Fekl.	Leaf stripe	Upper Klamath Lake	10,057
Ustilago hypodytes (Schl.) Fr.	Stem smut	Heppner	10,164
AGROPYRON SPICATUM (Pursh.) Scribn. & Smith	BLUE BUNCH WHEATGRASS		
Cladosporium herbarum Lk.	Leaf mold	18 mi. east of Arlington	157
Erysiphe graminis DC.	Powdery mildew	Friend	873
Puccinia glumarum (Schm.) Eriks. & Henn.	Stripe rust	Pendleton	Herb., Univ. of Idaho
P. pattersoniana Arth.	Patterson's rust	E. Oreg.	(2, 7)
P. rubigo-vera (DC.) Wint.	Leaf rust	Benton County	(2, 7)
Scolecotrichum graminis Fekl.	Leaf stripe	Fossil	10,808
Septoria infuscans (Ell. & Ev.) Sprague	Brown leaf blotch	John Day Canyon	658
Urocystis agropyri (Preuss.) Schroet.	Smut	Wasco County	27,001
Ustilago macrospora Desm.	Smut	-----	(4)
AGROPYRON SUBSECUNDUM (Link) Hitchc.	BEARDED WHEATGRASS		
(A. caninum Am. Auth.)			
Puccinia montanensis Ellis	Brown stripe rust	Hood River	10,252
AGROSTIS AEQUIVALVIS (Trin.) Trin.	BENT GRASS		
Puccinia coronata Corda	Crown rust	Silver Creek Park	330
AGROSTIS ALBA L.	REDTOP		
Claviceps purpurea (Fr.) Tul.	Ergot	Clatsop County	10,317
Darluca filum (Biv.) Cast.	Parasite on crown rust	Astoria	10,735
Mastigosporium rubricosum (Dearn. & Barth.) Sprague	Red eye spot	Coast region	10,586

Phycomycete Indet. <u>e/</u>	Purple leaf speckle	Corvallis, Wells	799
Puccinia coronata Corda	Crown rust	W. Oregon	(2, 7)
P. graminis Pers.	Stem rust	Astoria	10,313
Rhizoctonia solani Kühn	Leaf rot	Corvallis	<u>e/</u>
Rhynchosporium orthosporum Caldwell	Leaf scald	Corvallis	798
R. secalis (Oud.) J.J.Davis	Leaf scald	Granger	10,344
Septoria triseti Speg.	Gray leaf speckle	Shedd, Corvallis	(Culture S 113); 798
Uromyces jacksonii Arth.&Fromme	Jackson's rust	W. Oreg.	(2)
Ustilago striaeformis (Westd.) Niessl	Stripe smut	Monroe, Wells (near)	10,719
AGROSTIS CANINA L.	VELVET BENT		
Mastigosporium rubricosum (Dearn. & Barth.) Sprague	Red eye spot	Astoria in plots	10,980
Phycomycete Indet. <u>e/</u>	Purple leaf speckle	Astoria	119
Puccinia coronata Corda	Crown rust	Astoria in plots	10,713
P. graminis agrostidis Eriks.	Stem rust	Astoria in plots	10,713
AGROSTIS CASTELLANA Boiss. & Reut.	BENT		
Puccinia coronata Corda	Crown rust	Corvallis	H.A. Rampton
Scolecotrichum graminis Fekl.	Leaf stripe	Corvallis	H.A. Rampton
Septoria triseti Speg.	Gray leaf speckle	Corvallis	H.A. Rampton
AGROSTIS DILGOENSIS Vasey	THINGRASS		
(A. foliosa Vasey)	(Leafy bent)		(2, 7)
Puccinia coronata Corda	Crown rust	W. Oreg.	
Septoria calamagrostidis (Lib.) Sacc.	Leaf spot	Mehl Creek (Douglas County)	419
AGROSTIS EXARATA Trin.	SPIKE REDTOP		
Claviceps purpurea (Fr.) Tul.	Ergot	Warrenton	10,314
Darluca filum (Eiv.) Cast.	on Puccinia coronata	Clifton	10,712
Erysiphe graminis DC.	Corda	Marion County	10,507
	Powdery mildew		

e/ This is a unilocular body or cluster of bodies embedded in the leaf. No one has been able to identify them. They probably belong near the Chytridiales. Nothing is known of their life history as the bodies have not been seen to germinate although sometimes they are found empty. At times they are very common during moist periods in winter but more often only a few leaves will be found infected on a plant.

Helminthosporium triseptatum Drechs.	Leaf spot	Wells, Benton Co.	737
Hendersonia sp.	Leaf spot	Clifton	10,712
Mastigosporium rubricosum (Dearn. & Barth.) Sprague	Red eye spot	Hanchet Creek,	745
Phycomycete Indet. e/	Purple leaf speckle	Yamhill County	456
Puccinia coronata Corda	Crown rust	Clatsop County	(2, 7)
P. graminis Pers.	Stem rust	W. Greg.	(2, 7)
Scolecotrichum graminis Fekl.	Leaf stripe	Jackson County	
Septoria calamagrostidis (Lib.) Sacc.	Leaf spot	Union Creek, Hanchet Creek	532
Ustilago striaeformis (Westd.) Niessl.	Stripe smut	Marion & Lincoln Cos.	10,377
AGROSTIS EXARATA var. AMPLA (Hitchc.) Hitchc. Septoria triseti Speg.	GIANT SPIKE REDTOP Gray leaf speckle	Benton & Jackson Cos.	1391
AGROSTIS HALLII Vasey	WILD BENT	Lewisburg, Benton Co.	647
Phycomycete Indet. e/	Purple leaf speckle	1 mi. west of Summit	91
Rhizoctonia solani Kühn	Leaf rot	Benton County	8489
Scolecotrichum graminis Fekl.	Leaf stripe	Helmick Park	8370
Septogloeum oxysporum Bomm., Rouss. & Sacc.	Char spot	Corvallis	8278
Septoria sp.	Leaf spot	Helmick Park	8370
Uromyces jacksonii Arth. & Fromme	Jackson's rust	Benton County	(2, 7)
AGROSTIS SCABRA Willd.	TICKLEGRASS		
Scolecotrichum graminis Fekl.	Leaf stripe	Upper Klamath Marsh	530
Septogloeum oxysporum Bomm., Rouss. & Sacc.	Char spot	Cornucopia	(Fischer)
AGROSTIS HOWELLII Scribn.	HOWELL'S BENT		
Hendersonia culmicola var. minor Sacc.	Leaf & sheath rot	W. fork of Hood Riv.	804
AGROSTIS LONGILIGULA Hitchc.	PACIFIC BENT		
Puccinia coronata Corda	Crown rust	Coast	(2, 7)
AGROSTIS PALLENS Trin.	DUNE BENT (Seashore bent)		
Uromyces jacksonii Arth. & Fromme	Jackson's rust	Coast	(7)

AGROSTIS PALUSTRIS Huds.		
(A. maritima Lam.)		
Claviceps purpurea (Fr.) Tul.		
Fusarium culmorum (W.G.Sm.) Sacc.		
F. nivale (Fr.) Ces. f/		
F. nivale (Fr.) Ces. var. majus Vr.		
Macrophoma sp.		
Mastigosporium rubricosum (Dearn. & Barth.)		
Sprague		
Ovularia pulchella (Ces.) Sacc. ar. (?)		
Phycomycete Indet. e/		
Puccinia coronata Corda		
Rhizoctonia solani Kühn		
Septoria calamagrostidis (Lib.) Sacc.		
Phaeoseptoria sp.		
Septoria triseti Speg.		
Tilletia pallida Fisch.		
Uromyces jacksonii Arth. & Froome		
Ustilago striaeformis (Westd.) Niessl		
AGROSTIS STOLONIFERA L.		
Mastigosporium rubricosum (Dearn. & Barth.)		
Sprague		
AGROSTIS TENUIS Sibth.		
Claviceps purpurea (Fr.) Tul.		
Corticium solani (Prill. & Del.) Bourd. & Galz.		
Darlucella filum (Biv.) Cast.		
Fusarium culmorum (W.G.Sm.) Sacc.		
F. nivale (Fr.) Ces.		
F. oxysporum Sahl.		
Helminthosporium stenacrum Drechs.		
Mastigosporium rubricosum (Dearn. & Barth.)		
Sprague		
CREEPING BENT		
(Seaside bent)		
Ergot		
Root rot		
Snow mold		
Leaf spot		
Red eye spot		
Tan leaf spot		
Purple leaf speckle		
Crown rust		
Secondary root rot		
Leaf spot		
Leaf spot		
Gray leaf speckle		
Head smut		
Jackson's rust		
Stripe smut		
BENT		
Red eye spot		
COLONIAL BENT (Astoria bent)		
Ergot		
Brown patch		
On Puccinia coronata		
Root rot		
Snow mold		
Secondary root rot		
Leaf blight		
Red eye spot		
AGROSTIS STOLONIFERA L.		
Mastigosporium rubricosum (Dearn. & Barth.)		
Sprague		
AGROSTIS TENUIS Sibth.		
Claviceps purpurea (Fr.) Tul.		
Corticium solani (Prill. & Del.) Bourd. & Galz.		
Darlucella filum (Biv.) Cast.		
Fusarium culmorum (W.G.Sm.) Sacc.		
F. nivale (Fr.) Ces.		
F. oxysporum Sahl.		
Helminthosporium stenacrum Drechs.		
Mastigosporium rubricosum (Dearn. & Barth.)		
Sprague		

f/ The cause of the winter "snow mold" of grasses is greatly in need of study both from a control and a taxonomic standpoint.



Phycomycete Indet. <u>e/</u>	Purple leaf speckle	Willamette Valley, Coast Region Astoria Benton County Corvallis W. Oregon Corvallis	107,49;156 10,734 10,052 42 10,483 18
Puccinia coronata Corda P. graminis Pers. Robillarda agrostidis Sprague Septoria triseti Spæg. Ustilago striaeformis (Westd.) Niessl.	Crown rust Stem rust Leaf rot Gray leaf speckle Stripe smut		
AGROSTIS VERTICILLATA Vill. Erysiphe graminis DC. Mastigosporium rubricosum (Dearn. & Barth.) Sprague	WATER BENT Powdery mildew  Red eye spot	Sherman County  Astoria	10,287  8262
AIRA (See DESCHAMPSIA)			
ALOPECURUS AEQUALIS Sobol.  Scolecotrichum graminis Fckl.	SHORTAWN FOXTAIL (Little meadow foxtail) Leaf stripe	Upper Klamath Lake	10,058
ALOPECURUS GENICULATUS L. Scolecotrichum graminis Fckl.	WATER FOXTAIL Leaf stripe	Crater Nat'l Forest	518
ALOPECURUS PRATENSIS L. Claviceps purpurea (Fr.) Tul. Puccinia coronata Corda P. graminis Pers. Rhynchosporium sp. Scolecotrichum graminis Fckl.	MEADOW FOXTAIL Ergot Crown rust Stem rust Leaf scald Leaf stripe	Astoria Astoria Astoria Corvallis Corvallis	10,705 10,291 10,706 10,275 10,275
ALOPECURUS SACCATUS Vasey Puccinia graminis Pers.	PACIFIC MEADOW FOXTAIL Stem rust	Corvallis	(2, 7)
AMMOPHILA ARENARIA (L.) Link Cladosporium sp.	EUROPEAN BEACHGRASS Leaf mold	Lake Lytle	8386

ANTHOXANTHUM ODORATUM L. Cladosporium herbarum Lk.	SWEET VERNALGRASS Leaf mold	Near Seaside (F.D. Bailey)	645
Colletotrichum graminicolum (Ces.) Wils.	Anthracnose	Tillamook and Multnomah Cos.	8264
Helminthosporium dematioideum Bubak & Wrob.	Leaf spot	Corvallis & coast region	10,265
Phycomycete Indet. <sup>e/</sup>	Leaf spot	10 mi. S. of Seaside	105
Phyllosticta anthoxanthella Sprague	Leaf blotch	Triangle Lake	264
ARRHENATHERUM ELATIUS (L.) Mert. & Koch. Ascochyta graminicola Sacc. Claviceps purpurea (Fr.) Tul. Ovularia pulchella (Ces.) Sacc. Puccinia graminis Pers. Scolecotrichum graminis Fekl. Septogloeum oxysporum Bonm., Rouss. & Sacc.	TALL OATGRASS Purple leaf speckle Ergot Leaf spot Stem rust Leaf stripe Char spot	Corvallis Corvallis Bonneville Astoria in plots Western Oregon Willamette Valley, Astoria General	21 25,979 8433 10,293 10,132 c/ 10,136 1813
Ustilago perennans Rostr.	Head smut		
AVENA BARBATA Brot. Puccinia graminis avenae Eriks. & Henn.	SLENDER WILD OAT Stem rust	Myrtle Point	10,436
AVENA BYZANTINA C. Koch Ascochyta sp. Erysiphe graminis DC.	RED OAT White leaf spot Powdery mildew	Troutdale Scattered in coast region W.Oreg. & Moro Micro, western Oreg. Astoria Coast Lincoln County Curry & Marion Cos. Astoria, Willamette Valley	10,243 g/ 7212 c/ 7212 8308 c/ 10,115 10,112 7600 8266 (12)
Fusarium culmorum (N.G.Sm.) Sacc. F. oxysporum Schl. F. poae (Pk.) Wr. Helminthosporium avenae Eidam H. sativum P.K. & B. Ophiobolus graminis Sacc. Pseudodiscosia avenae Sprague & Johnson	Root rot Secondary root rot Head blast Leaf spot Root rot Take-all Red leather leaf		

*Puccinia coronata* Corda  
*P. graminis* Pers.  
*Rhizoctonia solani* Kühn  
*Septoria tritici* Rob.f. *avenae* (Desm.) Sprague  
*Ustilago avenae* (Corda) Jens.  
*Ustilago kolleri* Wille (U. *levis* (Kell & Sw.) Magn.)

#### AVENA FATUA L.

*Erysiphe graminis* DC.  
*Fusarium culmorum* (W.G.Sm.) Sacc.  
*Helminthosporium avenae* Eidam  
*Puccinia coronata* Corda  
*P. graminis* Pers.  
*Rhizoctonia solani* Kühn  
*Septoria tritici* Rob. f. *avenae* (Desm.) Sprague

#### AVENA NUDA L.

*Puccinia coronata* Corda  
*P. graminis avenae* Eriks. & Henn.

#### AVENA SATIVA L.

*Bacterium striafaciens* Elliott [Phycomonas s. Bergéy et al.]  
*Cercospora herpotrichioides* Fron  
*Colletotrichum graminicolum* (Ces.) Wils.  
*Erysiphe graminis* DC.  
*Darluca filum* (Biv.) Cast.  
*Fusarium culmorum* (W.G.Sm.) Sacc.  
*F. poae* (Pk.) Wr.  
*Helminthosporium avenae* Eidam  
*H. sativum* P.B. & K.  
*Heterosporium avenae* Oud.  
*Ophiobolus graminis* Sacc.  
*Pseudodiscosia avenae* Sprague & Johnson

Crown rust  
Stem rust  
White foot rot  
Leaf blotch  
Loose smut  
Covered smut  
Coast  
W. Oregon  
Lincoln & Lane Cos.  
W. Oregon  
Scattered  
General

WILD OAT  
Powdery mildew  
Root rot  
Leaf spot  
Crown rust  
Stem rust  
White foot rot  
Leaf blotch

#### NAKED OATS

Crown rust  
Stem rust

#### OAT

Bacterial stripe blight  
Foot rot  
Anthracnose  
Powdery mildew  
on *Puccinia graminis*  
Root rot  
Head blast  
Leaf spot  
Root rot  
Leaf mold  
Take-all  
Red leather leaf

Corvallis, Mosier  
Linn County  
W. Oregon  
Lincoln County  
Willamette  
Lincoln County  
Benton, Lincoln &  
Cocs Counties

Astoria in plots  
Astoria in plots

Corvallis  
Wasco County  
Lincoln County  
Scattered  
Willamette Valley  
W.Oreg. & Moro  
Hood River, Astoria,  
and Warrenton  
W. Oregon  
Lincoln County  
Forest Grove  
Marion County  
Western Oregon

<i>Puccinia coronata</i> Corda	Crown rust	W. Oreg.	(2, 7)
<i>P. graminis</i> Pers.	Stem rust	W. Oreg.	(2, 7)
<i>Rhizoctonia solani</i> Kühn	White foot rot	Lincoln & Lane Cos.	(10) c/
<i>Septoria tritici</i> Rob. f. <i>avenae</i> (Desm.) Sprague	Leaf blotch	W. Oregon	(9) 10,035
<i>Ustilago avenae</i> (Corda) Jens.	Loose smut	Scattered	1064
<i>U. kolleri</i> Wille (U. <i>levis</i> [Kell. & Sw.] Magn.)	Covered smut	General	3821
<i>Wojnowicia graminis</i> (McAlp.) Sacc.	Secondary root rot	Wasco, Union, & Umatilla Counties	(11) c/
<i>B. BOO</i> (GENUS INDET.)	Leaf mold	Corvallis	10,628
<i>ycosphaerella tulasnei</i> Jacz.			
<i>BECKMANNIA SYZIGACHNE</i> (Steud.) Fern. (B. <i>erucaeformis</i> Am. Auth.)	AMERICAN SLOUGHGRASS		
<i>Puccinia graminis</i> Pers.	Stem rust	Corvallis	(2, 7)
<i>Scolecotrichum graminis</i> Fekl.	Leaf stripe	W. Oregon	10,060
<i>Uromyces beckmanniae</i> Jacks.	Rust	W. Oregon	(2, 7)
<i>BROMUS ARENARIUS</i> Labill.	AUSTRALIAN CHESS		
<i>Scolecotrichum graminis</i> Fekl.	Leaf stripe	Tygh Ridge (Wasco Co.)	10,085
<i>BROMUS CARINATUS</i> Hook. & Arn. <sup>h/</sup>	CALIFORNIA BROME		
<i>Ascochyta graminicola</i> Sacc. var. <i>diedickeana</i> Baudys & Picb.	Leaf spot	Hood River, Whitson	10,200
<i>Bacterium coronafaciens atropurpureum</i> (Reddy & Godkin [Phytomonas c. <i>atropurpurea</i> ; Magrou] ,	Chocolate spot	Corvallis	10,592
<i>Claviceps purpurea</i> (Fr.) Tul.	Ergot	S. Benton County	10,731
<i>Corticium solani</i> (Prill. & Del.) Bourd. & Galz. ( <i>thizoctonia solani</i> Kühn)	Leaf rot	Hood River	10,245
<i>Darluka filum</i> (Biv.) Cast.	Parasite on leaf rust	Corvallis	790
<i>Erysiphe graminis</i> DC.	Powdery mildew	Wasco & Benton Cos.	10,221
<i>Heterosporium</i> sp.	Leaf rot	Mt. Hood	1558-A
<i>Phycomycete</i> Indet. <sup>e/</sup>	Purple leaf speckle	Glenwood	459
<i>Puccinia glumarum</i> (Schm.) Eriks. & Henn.	Stripe rust	Medford, Corvallis	Univ. of Idaho Herb.
<i>P. rubigo-vera</i> (DC.) Wint.	Leaf rust	General	(2, 7)

<sup>h/</sup> Includes *B. marginatus* and *B. polyanthus*.



Scolecotrichum graminis Fckl.	Leaf stripe.	General	10,061
Septoria jaccuella Sprague	Western leaf spot.	General	10,372
Ustilago bullata Berk.	Brome smut	Scattered	10,521
BROMUS CATHARTICUS Vahl.	RESCUE GRASS		
(B. uniolooides H.B.K.).			
Puccinia rubigo-vera (DC.) Wint.	Leaf rust	Corvallis	10,105
Ustilago bullata Berk.	Brome smut	Astoria in plots	10,686
BROMUS COMMUTATUS Schrad.	HAIRY CHESS		
Darluca filum (Biv.) Cast.	on Puccinia rubigo-vera	Corvallis	10
Puccinia rubigo-vera (DC.) Wint.	Leaf rust	W. Oregon	(2)
Septoria bromi Sacc.	Leaf spot	Gen. in Willamette Valley	10,394
Ustilago bullata Berk.	Brome smut	General	1200
BROMUS ERECTUS Huds.	ERECT BROME		
Bacterium coronafaciens atropurpureum Reddy & Godkin [Phytomonas]	Chocolate spot	Astoria in plots	10,711
BROMUS GRANDIS (Shear) Hitchc.	TALL BROME		
Puccinia rubigo-vera (DC.) Wint.	Leaf rust	Corvallis	(2, 7)
BROMUS INERMIS Leyss.	SMOOTH BROME		
Scolecotrichum graminis Fckl.	Leaf stripe	Grant County	10,104
Ustilago bullata Berk.	Brome smut	-----	(1)
BROMUS MOLLIS L.	SOFT CHESS		
(B. hordeaceus Am. Auth.).	(Soft cheat)		
Puccinia rubigo-vera (DC.) Wint.	Leaf rust.	W. Oregon	(2, 7)
Septoria bromi Sacc.	Leaf spot	W. Oregon	10,995
Tilletia guyotiana Har.	Smut	5 mi. E. of Weston	Fischer's coll.
Ustilago bullata Berk.	Brome smut	General	1814
BROMUS ORCUTTIANUS Vasey	ORCUTT BROME		
Ophiobolus graminis Sacc.	Take-all	Curry County	7599
Scolecotrichum graminis Fckl.	Leaf stripe	Siskiyou Mts.	10,064

BROMUS PACIFICUS Shear					
Puccinia rubigo-vera (DC.) Wint.					
Scolecotrichum graminis Fekl.					
BROMUS RACEMOSUS L.					
Erysiphe graminis DC.					
Puccinia rubigo-vera (DC.) Wint.					
Septoria bromi Sacc.					
Ustilago bullata Berk.					
BROMUS RIGIDUS Roth.					
Bacterium coronafaciens atropurpureum Reddy					
' & Godkin [Phytonomas]					
Cercospora bromi Sprague					
Puccinia rubigo-vera (DC.) Wint.					
Septoria juncella Sprague					
BROMUS SECALINUS L.					
Puccinia rubigo-vera (DC.) Wint.					
Septoria bromi Sacc.					
Ustilago bullata Berk.					
BROMUS SECALINUS L. var. VELUTINUS (Schrad.) Koch					
Ustilago bullata Berk.					
BROMUS SITCHENSIS Trin.					
Puccinia glumarum (Schm.) Eriks. & Henn.					
P. rubigo-vera (DC.) Wint.					
BROMUS STERILIS L.					
Erysiphe graminis DC.					
BROMUS TECTORUM L.					
Cercospora herpotrichioides Fron.					
Fusarium culmorum (W.G.Sm.) Sacc.					
PACIFIC BROME					
Leaf rust					
Leaf stripe					
SMOOTH FLOWERED SOFT CHEAT					
Powdery mildew					
Leaf rust					
Leaf spot					
Brome smut					
RIPGUT GRASS					
Chocolate spot					
Gray leaf spot					
Leaf rust					
Western leaf spot					
CHESS (Cheat)					
Leaf rust					
Leaf spot					
Brome smut					
CHESS					
Brome smut					
ALASKA BROME					
Stripe rust					
Leaf rust					
BARREN CHEAT					
Powdery mildew					
DOWNY CHESS (downy brome)					
Cercospora foot rot					
Root rot					
S.fork of Alsea Riv.					
Corvallis					
Medford					
Hood River and					
Yamhill Counties					
Corvallis					
Blue Mts.					
Rufus					
Tumwater, Corvallis					
E. & S. Oregon					
6 mi. N. of Eugene					
W. Oregon					
Willamette Valley					
General					
Corvallis					
Moro					
----					
Corvallis					
Union & Wasco Cos.					
Wasco County					
Herb. Univ.					
of Idaho					
(2)					
10,678					
10,066					
10,250					
(2, 7)					
10,811					
10,089					
10,950					
10,405					
(2, 7)					
424					
(2, 7)					
10,402 c/					
1821					
10,430					
10,487					
c/					
c/					

<i>Puccinia rubigo-vera</i> (DC.) Wint.	Leaf rust	Columbia County	(2, 7)
<i>Ustilago bullata</i> Berk.	Brome smut	E. Oregon	10,290
<i>Wojnowicia graminis</i> (McAlp.) Sacc.	Secondary root rot	Union County	c/
<i>BROMUS VULGARIS</i> (Hook.) Shear	NARROW FLOWERED BROME		
<i>Cercospora bromi</i> Sprague	Gray leaf spot	Sourgrass Crk., Yamhill County	467
<i>Darluca filum</i> (Biv.) Cast.	Parasite on leaf rust	Near Pacific Grange, Clatsop County	347
<i>Mastigosporium cylindricum</i> Sprague	Brown spot	Mehl Creek Road, Douglas County	488
<i>Puccinia rubigo-vera</i> (DC.) Wint.	Leaf rust	W. Oregon	(2, 7)
<i>CALAMAGROSTIS CANADENSIS</i> (Michx.) Beauv.	BLUEJOINT		
<i>Puccinia coronata</i> Corda	Crown rust	Columbia County	(2, 7)
<i>Urocystis agropyri</i> (Preuss.) Schroet.	Smut	Mann's Lake	(4) (W.A.F. 222) d/
<i>CALAMAGROSTIS INEXPANSA</i> A. Gray	NORTHERN REEDGRASS (Narrow spiked reedgrass)		
<i>Puccinia coronata</i> Corda	Crown rust	Astoria	(2, 7)
<i>CALAMAGROSTIS NUTKAENSIS</i> (Presl.) Steud.	PACIFIC REEDGRASS		
<i>Claviceps purpurea</i> (Fr.) Tul.	Ergot	Delmoor Bog, Clatsop County	703
<i>Coniothyrium psammae</i> Oud.	Leaf spot	Taft, Waldport	10,817
<i>Darluca filum</i> (Biv.) Cast.	Parasite on crown rust	Coast	10,325; 33
<i>Mycosphaerella tassiana</i> (DeNot.) Johans.	Leaf spot	Taft	10,817
<i>Puccinia coromata</i> Corda	Crown rust	Coast	33
<i>P. pygmaea</i> Eriks.	Rust	Newport	(2, 7)
<i>Septoria arctica</i> Berk. & Curtis	Leaf blotch	Seaside, (Delmoor Bog)	709
<i>CALAMAGROSTIS RUBESCENS</i> Buckl.	PINEGRASS		
<i>Cladosporium herbarum</i> Lk.	Leaf mold	Cornucopia	(Fischer)
<i>Colletotrichum graminicolum</i> (Ces.) Wils.	Anthracnose	Cornucopia	(Fischer)
<i>CENCHRUS PAUCIFLORUS</i> Benth.	FIELD SAND BUR (Burggrass)		
<i>Sorosporium syntherismae</i> (Pk.) Farl.	Smut	Hermiston	Sent to Zundel

CORTADERIA SELLOANA (Schult.) Aschers. & Graebn.  
Hendersonia culmiseda Sacc.

DACTYLIS GLOMERATA L.

Claviceps purpurea (Fr.) Tul.  
Colletotrichum graminicolum (Ces.) Wils.  
Erysiphe graminis DC.

Fusarium avenaceum (Fr.) Sacc.  
Mastigosporium rubricosum (Dearn. & Barth.)  
Savage

Phyllosticta owensii Sprague

Phycomycete Indet. e/

Puccinia graminis Pers.

Rhynchosporium orthosporum Caldwell

Scolecotrichum graminis Fekl.

Selenophoma donacis var. stomaticola (Bauml.)

Sprague & Johnson

Stagonospora arenaria Sacc.

DANTHONIA CALIFORNICA var. AMERICANA (Scribn.)

Hitchc. (D. americana Scribn.)

Cladosporium sp. (? parasite)

Scolecotrichum graminis Fekl.

Selenophoma donacis var. stomaticola (Bauml.)

Sprague & Johnson

Ustilago residua Clinton

DANTHONIA INTERMEDIA Vasey

Pleospora sp.

DESCHAMPSIA CAESPITOSA (L.) Beauv.

Hendersonia culmicola var. minor Sacc.

Hendersonia sp.

Phaeoseptoria sp.

Scolecotrichum graminis Fekl.

PAMPASGRASS  
Leaf spot

Bayview, Lincoln Co. 819

ORCHARD GRASS

Ergot

Anthracoze

Powdery mildew

Culm canker

N.W. Oregon 10,527

Greenhouse, OSC, Corvallis 690

Columbia Gorge;

Umatilla County

10,055;142

S. fork of Santiam Riv. 679

Purple leaf spot

Leaf rot

Red leaf speckle

Stem rust

Leaf scald

Leaf stripe

W. Oregon

Waldport

Wren

W. Oregon

Benton County

General

10,011

10,595

86

(2, 7)

10,124

7591

Selenophoma speckle

Purple blotch

Troutdale

Wallace Bridge

10,379 c/

742

WILD OATGRASS

Speckled mold

Leaf stripe

Willamette Valley

Corvallis

8255

10,193

Catgrass eye spot

Smut

Linn and Benton Cos.

Benton, Marion, & Linn

Counties

629

1254

TIMBER OATGRASS (Mountain oatgrass)

Leaf rot

Mt. Hood

10,101

TUFTED HAIRGRASS

Leaf spot

Leaf rot

Corvallis

Near Granger, near

Corvallis

51

Leaf rot

Leaf stripe

Near Granger

Linn County

809

809

10,673



*Septoria poliomela* Syd.  
*Stagonospora subseriata* Sacc.  
*Uromyces jacksonii* Arth. & Fromme

Tan leaf spot  
Leaf rot  
Jackson's Rust

809  
51  
(2, 7)

Near Granger  
Corvallis  
Lincoln County

*DESCHAMPSIA DANTHONIOIDES* (Trin.) Munro

*Scolecotrichum graminis* Fekl.  
*Septoria poliomela* Syd.  
*Tilletia airae* Blytt

ANNUAL HAIRGRASS  
Leaf stripe  
Tan leaf spot  
Smut

10,068  
c/ 8491  
(4)

Douglas County  
Benton County  
-----

*DESCHAMPSIA ELONGATA* (Hook.) Munro

*Darluca filum* (Biv.) Cast.  
*Fusarium avenaceum* (Fr.) Sacc.  
*Puccinia graminis* Pers.  
*Uromyces jacksonii* Arth. & Fromme

SLENDER HAIRGRASS  
Parasite on rust  
Parasite on rust  
Stem rust  
Jackson's rust

332  
332  
(2)  
(2, 7)

Tillamook County  
Tillamook County  
-----  
Willamette Valley

*DISTICHLIS STRICTA* (Torr.) Rydb.  
*Dothidella aristidae* (S.) Ell. & Ev.  
*Puccinia aristidae* Tracy  
*Ustilago hypodytes* (Schl.) Fr.

DESERT SALTGRASS  
Char spot  
Rust  
Sheath smut

g/  
(2, 7)  
3646

Baker and E. Oregon  
E. Oregon  
S. Oregon

*ECHINOCHLOA CRUS-GALLI* (L.) Beauv.  
(?) *Epicoccum* sp.  
*Ustilago crus-galli* Tracy & Earle

BARNYARD GRASS  
Head mold  
Smut

8374  
(4) (WAF  
212) d/

Astoria  
S.E. Oregon

*ELYMUS ARENICOLA* Scribn. & Smith  
*Claviceps purpurea* (Fr.) Tul.  
*Puccinia procera* Diet. & Holw.  
*P. rubigo-vera* (DC.) Wint.

SAND RYEGRASS  
Ergot  
California rust  
Leaf rust

10,508  
(7)  
(2)

Biggs  
Umatilla & Sherman Cos.  
E. Oregon

*ELYMUS CANADENSIS* L.  
*Claviceps purpurea* (Fr.) Tul.  
*Puccinia rubigo-vera* (DC) Wint.

CANADA WILD-RYE  
Ergot  
Leaf rust

1804  
g/

E. Oregon  
Umatilla County

*ELYMUS CONDENSATUS* Presl  
*Claviceps purpurea* (Fr.) Tul.  
*Erysiphe graminis* DC.

GIANT WILD-RYE  
Ergot  
Powdery mildew

10,694  
(W.A.F. 163) d/

Union & Umatilla Cos.  
E. Oregon

Heterosporium avenae Oud.	Leaf blight	Sherman County	10,230
Puccinia glumarum (Schm.) Eriks. & Henn.	Stripe rust	Moro	(6) Herb. Univ. of Idaho
P. graminis Pers.	Stem rust	Union County	10,690
P. procera Diet. & Holw.	California rust	Fossil	10,123
P. rubigo-vera (DC.) Wint.	Leaf rust	E. Oregon	(2, 7)
Septoria infuscans (Ell. & Ev.) Sprague	Brown leaf blotch	Sherman, Jefferson, Gilliam & Umatilla Cos.	657
		Wasco County	8451
		-----	(4)
Selenophoma donacis (Pass.) Sprague & Johnson	Selenophoma speckle		
Ustilago hypodytes (Schl.) Fr.	Stem smut		
ELYMUS GLAUCUS Buckl.	BLUE WILD RYE		
? Bacterium sp.	Leaf rot	Fall Creek	10,236
Cladosporium herbarum (Pers.) Lk.	Leaf mold	Troutdale	10,945
Claviceps purpurea (Fr.) Tul.	Ergot	Benton County	10,730
Darluca filum (Biv.) Cast.	On Puccinia glumarum	Linn County	175
Fusarium avenaceum (Fr.) Sacc.	On rust	Bonneville	8457
Phycomycete Indet. e/	Purple leaf speckle	Wren	88
Phyllactinia corylea (Pers.) Karst.	Powdery mildew	Bonneville	8448
Puccinia glumarum (Schum.) Eriks. & Henn.	Stripe rust	Benton County	(2, 6, 7)
P. graminis Pers.	Stem rust	Benton & Crook Cos.	(2, 7)
P. rubigo-vera (DC.) Wint.	Leaf rust	W. Oregon	(2, 7)
Rhizoctonia solani Kühn	Leaf rot	Scapoose, Corvallis	141 c/
Rhynchosporium secalis. (Oud.) J.J. Davis	Leaf scald	Linn County	10,276
R. orthosporum Caldwell	Leaf scald	Linn and Marion Cos.	10,095
Scolecotrichum graminis Fekl.	Leaf stripe	Benton County	7528
Septoria elymi Ell. & Ev.	Leaf mottle	W. Oregon	c/ 392
Selenophoma donacis (Pass.) Sprague & Johnson	Selenophoma speckle	Crater Lake	10,392
Stagonospora arenaria Sacc.	Purple leaf blotch	Linn County	8487
Tilletia elymi Diet. & Holw.	Smut	Carson (Baker County)	DC Smith
ELYMUS HIRSUTUS Presl	HAIRY SEEDED WILD RYE		
Helminthosporium tritici-repentis Died.	Brown leaf speckle	S. fork Santiam River, Linn County	646
ELYMUS MOLLIS Trin.	AMERICAN DUNEGRASS		
Claviceps purpurea (Fr.) Tul.	Ergot	Warrenton	10,328
Darluca filum (Biv.) Cast.	Parasite on rust	Warrenton	10,329

Puccinia rubigo-vera (DC.) Wint.			
Septoria pacifica Sprague			
Stagonospora subseriata Sacc.			
Tiarospora perforans (Rob.) Höhn.			
ELYMUS TRITICOIDES Buckl.			
Claviceps purpurea (Fr.) Tul.			
Puccinia montanensis Ellis.			
P. rubigo-vera (DC) Wint.			
Septoria elymi-europaei Jaap			
S. infuscans (Ell. & Ev.) Sprague			
Scolecotrichum graminis Fekl.			
ELYMUS VANCOUVERENSIS Vasey			
Puccinia rubigo-vera (DC.) Wint.			
FESTUCA DERTONENSIS (All.) Aschers. & Graben.			
Ophiobolus graminis Sacc.			
Phyllachora sylvatica Sacc. & Spieg.			
Septoria tenella Cke. & Ell.			
FESTUCA IDAHOENSIS Elmer			
Puccinia crandallii Pam. & Hume			
FESTUCA ELATIOR L.			
Cladosporium herbarum (Pers.) Lk.			
Claviceps purpurea (Fr.) Tul.			
Puccinia coronata Cda.			
P. graminis Pers.			
P. poae-sudeticae (Westd.) Jørstad			
FESTUCA MAIREI St. Yves			
Cladosporium herbarum (Pers.) Lk.			
FESTUCA MEGALURA Nutt.			
Mycosphaerella sp.			
Ophiobolus graminis Sacc.			
Ovularia pulchella (Ces.) Sacc.			
Leaf rust	Coast	10,329	
Black stripe	Lincoln & Tillamook Cos.	10,376	
Leaf spot	Manhattan, Lake Lytle	707	
Leaf speckle	Tillamook County	10,958	
BEARDLESS WILD-RYE (Alkali ryegrass)			
Ergot	La Grande	10,689	
Brown stripe rust	Talent	10,635	
Leaf rust	Sherman County	(2, 7)	
Leaf speckle	Klamath Falls	10,380	
Brown leaf blotch	Eastern Oregon	10,380	
Leaf stripe	Squaw Butte	837	
VANCOUVER DUNEGRASS			
Leaf rust	Astoria		Fischer's coll.
FESCUE			
Take-all	East Corvallis, Linn Co.	g/	
Tar spot	S. fork Alsea River	322	
Leaf spot	Roaring River, Linn Co.	186	
BLUEGRASS FESCUE (Idaho fescue)			
Rust	Blue Mts.	(2, 7)	
MEADOW FESCUE			
Leaf mold	Granger	10,960	
Ergot	Astoria	g/	
Crown rust	Lincoln County	(2, 7)	
Stem rust	Benton and Lane Cos.	(2, 7)	
Rust	W. Oregon	(2, 7)	
FESCUE			
Leaf mold	Granger	10,506	
FOXTAIL FESCUE			
Blight	Benton County	10,818	
Take-all	Linn and Benton Cos.	g/	
Brown leaf spot	Linn, Benton & Lincoln Cos.	10,271	

Phyllachora sylvatica Sacc. & Speg.	Tar spot	Linn County	10,491
Puccinia graminis Pers.	Stem rust	Corvallis	(2, 7)
FESTUCA MYUROS L.	RAT TAIL FESCUE		
Corticium fuciforme (McAlp.) Wak.	Pink patch	Bayview, Lincoln Co.	823
Ophiobolus graminis Sacc.	Take-all	Lincoln County	g/
Ovularia pulchella (Ces.) Sacc.	Brown leaf spot	W. Oregon	10,125
Puccinia graminis Pers.	Stem rust	Willamette Valley	(2)
FESTUCA CETOFLORA Walp.	SIXWEEKS FESCUE (slender fescue)		
Rhizoctonia solani Kunz	Brown patch	Bayview, Lincoln Co.	556
Tilletia fusca Ell. & Ev.	Smut	-----	(4)
Ustilago mulfordiana Ell. & Ev.	Smut	-----	(4)
FESTUCA OCCIDENTALIS Hook.	WESTERN FESCUE		
Phyllachora sylvatica Sacc. & Speg.	Tar spot	Mehl Creek, Douglas Co.	479
FESTUCA PACIFICA Piper	PACIFIC FESCUE		
Puccinia graminis Pers.	Stem rust	Corvallis	(2, 7)
P. piperi Ricker	Piper's rust	Eight Dollar Mt. (S. Oreg.)	(2, 7)
Ustilago mulfordiana Ell. & Ev.	Smut	Columbia R.	1371
FESTUCA RUBRA L.	RED FESCUE		
Ascochyta graminicola Sacc. var. brachypodii Trail	Leaf spot	Garibaldi	8377
Cercospora subulata Sprague	Eye spot	Halsey	10,989
Darluca filum (Biv.) Cast.	on Rust	Garibaldi, Lake Lytle	510; 748
Hendersonia sp.	Secondary leaf rot	Garibaldi	749
Hendersonia culmicola var. minor Sacc.	Leaf mold	Near Newport	35
Mycosphaerella tulasnei Jacz.	Leaf mold	Corvallis	H.A. Rampton
Phaeoseptoria sp.	Secondary leaf rot	Garibaldi; King's Valley	8376
Phyllachora sylvatica Sacc. & Speg.	Tar spot	Newport	10,174
Puccinia crandallii Pam. & Hume	Rust	Union, Benton, Tillamook and Lincoln Cos.	748
Septoria tenella Cke. & Ell.	Tan leaf spot	Corvallis	(2, 7) H.A. Rampton



FESTUCA RUBRA var. COMMUTATA Gaud.				
Cladosporium herbarum Lk.				
Corticium fuciforme (McAlp.) Wak.				
C. solani (Prill. & Del.) Bourd. & Galz.				
(Rhizoctonia solani Kühn)				
Fusarium sp.				
F. nivale (Fr.) Sor.				
Hendersonia sp.				
Phycomycete e/				
Septoria tenella Cke. & Ell.				
FESTUCA SCARBRELLA Torr.				
Puccinia crandallii Pam. & Hume				
FESTUCA SUBULATA Trin.				
Phyllosticta sp.				
Puccinia coronata Corda				
P. crandallii Pam. & Hume				
FLUMINEA FESTUCACEA (Willd.) Hitchc.				
Ustilago arthuri Hume				
GASTRIDIVM VENTRICOSUM (Gouan) Schinz & Thell.				
Helminthosporium sp.				
GLYCERIA ELATA (Nash) Hitchc.				
Puccinia coronata Cda.				
Septoria nodorum Berk.				
Ustilago longissima (Sow.) Tul.				
GLYCERIA FLUITANS (L.) R. Br.				
Scolecotrichum graminis Fckl.				
CHEWINGS FESCUE				
Secondary seed mold	Benton County	692		
Pink patch	Astoria, Portland, Corvallis	687		
Brown patch	Portland	E. 511		
Scab	Astoria	8315		
Snow mold	Portland	E. 410		
Leaf rot	Sulfur Springs Road, Benton County	810		
Purple leaf speckle	Corvallis	59		
Tan leaf spot	W. Oregon	10,582		
ROUGH FESCUE (Buffalo bunchgrass)				
Rust	E. Central Oregon	(7) 1424		
BEARDED FESCUE (Nodding fescue)				
Leaf spot	Silver Creek Falls	270		
Crown rust	Coast Range	(7)		
Rust	Ashland, Silver Creek Falls	(2, 7)		
FLUMINEA GRASS				
Smut	-----	(4)		
NIT-GRASS				
White leaf spot	S. Willamette Valley	g/		
TALL MANNAGRASS				
Crown rust	Clatskanie	(2, 7)		
Leaf spot	Cornucopia, Elgin	(Fischer)		
Smut	Clatskanie	1810		
MANNAGRASS				
Leaf stripe	Benton County	10,152		

GLYCERIA GRANDIS S. Wats. Scoleotrichum graminis Fekl. Ustilago longissima (Sow.) Tul.	AMERICAN MANNAGRASS Leaf stripe Smut	Portland ----- 10,070 (15)
GLYCERIA PAUCIFLORA Presl Puccinia coronata Corda	WEAK MANNAGRASS Crown rust	N.W. Oreg. (2, 7)
GLYCERIA SEPTENTRIONALIS Hitchc. Scoleotrichum graminis Fekl.	EASTERN MANNAGRASS Leaf stripe	Tillamook 10,076
GLYCERIA STRIATA (Lam.) Hitchc. (Panicularia nervata Kuntze) Scoleotrichum graminis Fekl. Septoria nodorum Berk.	FOWL MANNAGRASS Leaf stripe Leaf spot	Umpqua Valley Hoover 10,071 10,177
HESPEROCHLOA KINGII (S.Wats.) Rydb. (FESTUCA KINGII Cassidy, F. confinis Vasey) Puccinia crandallii Pam. & Hume	SPIKE FESCUE Rust	S.E. Oregan (7)
HIEROCHLOE OCCIDENTALIS Buckl. (Torresia macrophylla Hitchc.) Puccinia graminis Pers.	GIANT VANILLAGRASS (California sweetgrass) Stem rust	Benton County (7)10,086
HOLCUS LANATUS L. Cercospora holci Sprague Claviceps purpurea (Fr.) Tul. Darlucella filum. (Biv.) Cast.	VELVET GRASS Tan leaf spot Ergot Parasite on rust	W. Oregan Coast Region Waldport and Hood River 10,202 1727 10,503 1229
Dilophospora alopecuri (Fr.) Fr. Helminthosporium triseptatum Drechs. Ophiobolus graminis Sacc. Ovularia pulchella (Ces.) Sacc. Puccinia coronata Corda P. rubigo-vera (DC.) Wint. Rhizoctonia solani Kühn Septoria tritici Rob. f. holci Sprague Tilletia holci (West.) Rostr. Ustilago striaeformis (Westd.) Niesl	Twist disease Leaf mold Take-all Red leaf spot Crown rust Leaf rust White foot rot Leaf blotch Smut Stripe smut	W. Oregan Lincoln County Alsea Mts. Alsea, Tangent Coast W. Oreg. Lincoln Co. N.W. Oreg. ----- Willamette Valley 10,120 10,012 10,666 (2, 7) (2, 7) 10,101 10,108 1378 10,670

HORDEUM DISTICHON L.

Erysiphe graminis DC.  
Fusarium culmorum (W.G.Sm.) Sacc.  
Puccinia anomala Rostr.  
P. graminis Pers.  
Rhizoctonia solani Kühn  
Rhynchosporium secalis (Oud.) J.J.Davis  
Ustilago hordei Lagerh.

TWO ROW BARLEY

Powdery mildew  
Root rot  
Leaf rust  
Stem rust  
White foot rot  
Leaf scald  
Covered smut

W. Oreg. 670  
W. Oreg. c/  
Lincoln & Marion Cos. 7540  
Corvallis (2, 7)  
Alsea Valley c/  
Linn County 10,273  
Near Dallas, St.  
Helens 10,756

HORDEUM GUSSONIANUM Parl.

Puccinia glumarum (Schm.) Eriks. & Henn.  
Rhizoctonia solani Kühn

MEDITERRANEAN BARLEY

Stripe rust  
Leaf rot

Corvallis (2, 7)  
Conroy, near Corvallis 22

HORDEUM JUBATUM L.

Puccinia glumarum (Schm.) Eriks. & Henn.  
Rhynchosporium secalis (Oud.) J.J.Davis  
Uromyces jacksonii Arth. & Fromme  
Ustilago bullata Berk.

FOXTAIL BARLEY (Squirrel tail)

Stripe rust  
Leaf scald  
Jackson's rust  
Smut

(6)10,074  
7559  
(2, 7)  
Fischer's coll.

HORDEUM MURINUM L.

Puccinia glumarum (Schm.) Eriks. & Henn.

WALL BARLEY (Mouse barley)

Stripe rust

Corvallis  
Herb. Univ. of Idaho

P. hordei Fekl.

Rhynchosporium secalis (Oud.) J.J.Davis  
Ustilago bullata Berk.

W. Oreg. (2)

Corvallis 7534  
Wheatland 10,050

HORDEUM NODOSUM L.

Erysiphe graminis DC.  
Puccinia glumarum (Schm.) Eriks. & Henn.

MEADOW BARLEY

Powdery mildew  
Stripe rust

(W.A.F.165)d/  
(6) Herb., Univ. of Idaho

P. graminis Pers.

P. hordei Fekl.  
Scolecotrichum graminis Fekl.  
Urocystis agropyri (Preuss) Schroet.  
Uromyces jacksonii Arth. & Fromme  
Ustilago bullata Berk.

Stem rust

Rust

Leaf stripe

Leaf smut

Jackson's rust  
Smut

Benton & Union Cos. 10,732

Coast (2)

Benton & Union Cos. 10,676

Linn County 10,749

Portland (2, 7)

Central Point & Linn County 10,725

*HORDEUM NODOSUM* var. *BOREALE* (Scribn. & Smith) Hitchc.  
*Scolecotrichum graminis* Fekl.

#### *HORDEUM VULGARE* L.

*Bacterium translucens* Jones, Johnson, & Reddy [Phytophthora t. Bergey et al.]  
*Cercospora herpotrichioides* Fron  
*Claviceps purpurea* (Fr.) Tul.  
*Erysiphe graminis* DC.  
*Fusarium culmorum* (W.G.Sm.) Sacc.  
*Helminthosporium gramineum* Rabh.  
*H. sativum* P. K. & B.  
*H. teres* Sacc.  
*Mycosphaerella tulasnei* Jacz.  
*Ophiobolus graminis* Sacc.  
*Puccinia anomala* Rostr.  
*P. glumarum* (Schm.) Eriks. & Henn.  
*P. graminis* Pers.  
*Rhizoctonia solani* Kühn

*Rhynchosporium secalis* (Oud.) J.J.Davis  
*Septoria passerinii* Sacc.  
*Ustilago hordei* Lagerh.  
*U. nuda* Rostr.  
*Wojnowicia graminis* (McAlp.) Sacc. & D. Sacc.

#### *KOeleria cristata* (L.) Pers.

*Puccinia koeleriae* Arth.  
*P. monoica* (Pk.) Arth.  
*Septoria calamagrostidis* (Lib.) Sacc.  
 var. *koeleriae* (Cocc. & Mor.) Spr.

#### *Lolium marschallii* Stev.

*Cynalaria pulchella* (Ces.) Sacc.

#### NORTHERN MEADOW BARLEY Leaf stripe

Ukiah

10,072

#### BARLEY

Bacterial blight  
*Cercospora foot rot*  
 Ergot  
 Powdery mildew  
 Root rot  
 Stripe  
 Root rot  
 Net blotch  
 Leaf mold  
 Take-all  
 Leaf rust  
 Stripe rust  
 Stem rust  
 White foot rot  
 Leaf scald  
 Leaf spot  
 Covered smut  
 Loose smut  
 Secondary root rot

Corvallis  
 Wasco & Union Cos.  
 Corvallis  
 Willamette Valley  
 W. Oreg.  
 Corvallis  
 Coast & E.Oreg.  
 Corvallis  
 Corvallis, Eugene  
 W. Oreg.  
 Willamette Valley  
 Moro  
 Corvallis  
 Lincoln, Benton, &  
 Lane Counties  
 General  
 Corvallis  
 General  
 Corvallis, Pendleton  
 Wasco & Union Cos.

(11) c/

#### JUNEGRASS

Rust  
 Rust

Leaf spot

Union County  
 Grant County  
 Grant, Sherman,  
 Benton & Union Cos.

(2, 7)  
 (7) J.R.Weir 237

10,363

#### RYEGRASS

Gray leaf spot

Benton County

10,241

LOLIUM MULTIFLORUM Lam. (L. italicum A. Br.)	ITALIAN RYEGRASS		
Ascochyta lolii (West.) Spr. & John.	Brown leaf spot	W. Oreg.	c/ 10,122
Bacterium coronafaciens atropurpureum			
Reddy & Godkin [Phytomonas]	Chocolate spot	W. Oreg.	10,550
Claviceps purpurea (Fr.) Tul.	Ergot	W. Oreg.	1743
Darluca filum (Biv.) Cast.	On Puccinia coronata	Corvallis	e/
Fusarium culmorum (W.G.Sm.) Sacc.	Root rot	Willamette Valley	(8)
Phytophthora sp.	Leaf rot	Corvallis	10,122
Puccinia coronata Corda	Crown rust	W. Oreg.	(2, 7)
P. graminis Pers.	Stem rust	Tulatin	1357
Rhynchosporium orthosporum Caldwell	Leaf scald	Corvallis & Ft.	
		Yamhill	10,485
R. secalis (Oud.) J.J. Davis	Leaf scald	Corvallis	10,119
Scolecotrichum graminis Fekl.	Leaf stripe	Corvallis	g/
Septoria tritici Rob. var. lolii (Cast.)			
Sprague & Johnson	Leaf blotch	Benton County	c/ 452
Ustilago sp.	Head smut	W. Oreg.	5207

#### LOLIUM PERENNE L.

Ascochyta graminicola Sacc. var.			
brachypodii Trail			
A. lolii (West.) Sprague & Johnson	White leaf spot	Multnomah County	10,239
Bacterium coronafaciens atropurpureum	Brown leaf spot	W. Oregon	10,219
Reddy & Godkin [Phytomonas]			
Claviceps purpurea (Fr.) Tul.	Chocolate spot	Astoria, Corvallis	10,710
Colletotrichum graminicolum (Ces.) Wils.	Ergot	N.W. Oreg.	10,129
Helminthosporium siccans Drechs.	Anthracnose	Scottsburg	9
Ovularia lolii Volkart	Brown leaf scorch	Corvallis	10,135
Puccinia coronata Cda.	Eye spot	Corvallis	g/
Rhynchosporium orthosporum Caldwell	Crown rust	N.W. Oreg.	(2, 7)
Scolecotrichum graminis Fekl.	Leaf scald	Benton County	10,240
Septoria tritici Rob. var. lolii (Cast.)	Leaf stripe	Corvallis	10,040
Sprague and Johnson			
Ustilago striaeformis (Westd.) Niessl	Leaf blotch	Benton & Linn Cos.	c/ 449
	Stripe smut	Corvallis	7181

#### LOLIUM SUBULATUM Vis.

Puccinia graminis Pers.	NARROW SPIKED RYEGRASS		
	Stem rust	Corvallis	3277

LOLIUM TEMULENTUM L. Bacterium coronafaciens atropurpureum Reddy & Godkin [Phytomonas]	DARNEL		
MELICA BULBOSA Geyer (M. bella Piper) Scotlecotrichum graminis Fekl.	Chocolate spot	Wallace Bridge	10,728
MELICA SUPULATA (Griseb.) Scribn. Cercospora subulata Spr.	ONIONGRASS Leaf stripe	Wallowa Mts.	10,075
MUHLBERGIA ANDINA Nutt.) Hitchc. (M. comata Thurb.) Uromyces minimus J.J. Davis	ALASKA ONIONGRASS Leaf blast	Ochoco Nat'l Forest	10,669
MUHLBERGIA ASPERIFOLIA (Nees & Mey.) Parodi (Sporobolus asperifolius Nees & Mey.) Phyllachora sp. Tilletia asperifolia Ell. & Ev.	FOXTAIL MUHLY (Hairy Muhlenbergia) Rust	Wallowa County	(2, 7)
MUHLBERGIA RACEMOSA (Michx.) B.S.P. Uromyces minimus J.J. Davis	SCRATCHGRASS		
ORYZOPSIS HYMENOIDES (Roem. & Schult.) Ricker Puccinia scaber (Ell. & Ev.) Barth. Selenophoma donacis var. stomaticola (Bauml.) Sprague and Johnson Ustilago hypodytes (Schl.) Fr.	Tar spot Smut	Baker -----	Fischer's coll. (4)
PANICUM MILIACEUM L. Bacterium panici Elliott [Phytomonas p. Bergey et al.] Sphaecelotheca panici-miliacei (Pers.) Bubak	MARSH MUHLY (Satin grass) Rust	Wallowa County	(2, 7)
	INDIAN RICE GRASS (Indian millet) Rust	Celilo	8441
	Selenophoma speckle Stem smut	Gilliam County Wasco County	803 (Dana) 7617
	BROOMCORN MILLET (Proso or hog millet)		
	Leaf blight Smut	Seaside Corvallis	10,332 1806
PANICUM PACIFICUM Hitchc. & Chase Cercospora fusimaculans Atk.	PACIFIC PANICUM Leaf blotch	Mary's Peak	9898 (Zeller)



PHALARIS ARUNDINACEA L.	REED CANARYGRASS		
Puccinia sessilis Schneid.	Rust	Malheur County	(2, 7)
Phaeoseptoria sp.	Leaf rot	Corvallis	17
Septoria bromi Sacc. var. phalaricola Sprague	Leaf spot	Astoria	10,370
PHALARIS TUBEROSA var. STENOPTERA (Hack.) Hitchc.	HARDING GRASS		
Helminthosporium sativum P.K. & B.	Leaf mold	Corvallis	64
Mycosphaerella tulasnei Jacz.	Leaf mold	Corvallis	396
Puccinia sessilis Schneid.	Rust	Corvallis	10,106
Rhizoctonia solani Kühn	Leaf rot	Corvallis	64
Phaeoseptoria sp.	Leaf rot	Corvallis	396
PHLEUM PRATENSE L.	TIMOTHY		
Claviceps purpurea (Fr.) Tul.	Ergot	Coast	1731
Heterosporium phlei Gregory	Purple leaf spot	Astoria, Corvallis	10,744
Puccinia graminis phlei-pratensis (Eriks. & Henn.) Stak. & Piem.	Stem rust	General	(2, 7)
Scolecotrichum graminis Fckl.	Leaf stripe	General	7543
Ustilago striaeformis (Westd.) Niessl	Stripe smut	General	1694
PHRAGMITES COMMUNIS Trin.	COMMON REED		
Puccinia phragmites (Schum.) Körn.	Rust	Young's Bay, Astoria	10,683
Scolecotrichum maculicola Ell. & Kell.	Eye spot	Young's Bay, Astoria	10,683
PLEUROPOGON REFRACTUS (A. Gray) Benth.	NODDING SEMAPHORE GRASS		
Ascochyta graminicola Sacc. var. brachypodii Trail	Leaf spot	Bergsvik Creek, Clatsop County	197
POA AMPLA Merr.	BIG BLUEGRASS		
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass Rust	Hood River	(2)
P. rubigo-vera (DC) Wint.	Leaf rust	Hood River	(2, 7)
Selenophoma donacis var. stomaticola (Bauml.) Sprague & Johnson	Selenophoma speckle	The Dalles	115

POA ANNUA L.	ANNUAL BLUEGRASS		
Darluca filum (Biv.) Cast.	On Puccinia poae-sudeticae	Corvallis	10,021
Fusarium culmorum (W.G. Sm.) Sacc.	Head mold	Warrenton	708
Entyloma irregulare Johann.	Black spot leaf smut	W. Oregon	10,238
Phycomycete Indet. e/	Purple speckle	Alderwood St. Pk.	352
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	W. Oregon	(2)
Septoria macropoda Pass.	Leaf spot	Corvallis	c/ 708
POA BOLANDERI Vasey	BOLANDER BLUEGRASS		
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Wallowa Mts.	10,077
POA CANBYI (Scribn.) Piper	CANBY BLUEGRASS		
Erysiphe graminis DC	Powdery mildew	Union County	10,078
POA COMPRESSA L.	CANADA BLUEGRASS		
Cladosporium herbarum (Pers.) Lk.	Leaf mold	Alsea	10,755
Darluca filum (Biv.) Cast.	On Puccinia poae-sudeticae	Corvallis	10,007
Entyloma crastophilum Sacc.	Black spot leaf smut	Bayview	821
Helminthosporium vagans Drechs.	Leaf spot	Benton County	10,264
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Corvallis	10,007
Scolecotrichum graminis Fekl.	Leaf stripe	General	10,007
Septoria macropoda Pass. var. scutulata (Cz. Frag.) Sprague	Leaf blotch	General	10,946
S. oudemansii Sacc.	Tan leaf spot	Corvallis	385
POA GRACILLIMA Vasey (P. multnomae Piper)	SLENDER BLUEGRASS (Pacific bluegrass)		
Ascochyta graminicola Sacc. var. holci Sacc.	Leaf spot	Horse Tail Falls (Multnomah Co.)	10,280
Erysiphe graminis DC.	Powdery mildew	Columbia Gorge	g/
Hendersonia culmicola var. intermedia Sacc.	Leaf spot	7 mi. W. of The Dalles	116
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Columbia Gorge	10,283
POA HOWELLII Vasey and Scribn.	HOWELL BLUEGRASS		
Septoria macropoda Pass.	Leaf spot	Lower Columbia Riv.	10,080

POA JUNCIFOLIA Scribn. (P. brachyglossa Piper)	ALKALI BLUEGRASS		
Erysiphe graminis DC.	Powdery mildew	Wasco County	10,229
Fusarium sp.	Leaf rot, crown rot	Near Celilo Falls	145
Entyloma irregulare Johänn.	Black spot leaf smut	Wasco County	10,228
Mycosphaerella tassiana (DeNot.) Johans.	Leaf spot	Rufus (near)	10,941
Phycomycete Indet. e/	Leaf spot	7 mi. W. of The Dalles	130
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Wasco County	10,244
Selenophoma donacis var. stomaticola (BaumL.) Sprague & Johnson	Selenophoma speckle	Friend, Rufus	10,760
POA KELLOGGII Vasey	KELLOGG BLUEGRASS		
Septoria macropoda Pass.	Leaf spot	Jackson County	10,758
POA LEPTOCOMA Trin.	EOG BLUEGRASS		
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Whitman Nat'l Forest	10,079
POA MACRANTHA Vasey	SEASHORE BLUEGRASS		
Puccinia graminis Pers.	Stem rust	Warrenton	338
P. poae-sudeticae (West.) Jørstad	Bluegrass rust	Newport	(2, 7)
POA NERVOSA (Hook.) Vasey	WHEELER BLUEGRASS		
Scolecotrichum graminis Fekl.	Leaf stripe	Friend	874
POA NEVADENSIS Vasey	NEVADA BLUEGRASS		
Claviceps purpurea (Fr.) Tul.	Ergot	Seneca; Hart Mts. Blue Mts.	10,696 10,355
Septoria macropoda Pass. var. grandis Sprague	Leaf spot		
POA PALUSTRIS L.	FOWL BLUEGRASS		
Erysiphe graminis DC.	Powdery mildew	Klamath County	10,102
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Klamath County	(2)
POA PRATENSIS L.	KENTUCKY BLUEGRASS		
Cercospora sp. i/	Brown eye leaf spot	Near Forest Grove; East Corvallis	453,789

i/ This apparently undescribed species will be described in a subsequent publication. It is apparently not rare in Oregon but obscured by the more prevalent Septoria and Helminthosporium spots.

<i>Corticium vagum</i> Berk. & Curt. [ <i>C. solani</i> ]	Brown patch	W. Oregon	10,965
<i>Darlucula filum</i> (Biv.) Cast.	On rust	W. Oregon	10,237
<i>Entyloma crastophilum</i> Sacc.	Black spot leaf smut	Lincoln & Benton Co.	10,201
<i>Erysiphe graminis</i> DC.	Powdery mildew	Heppner	10,053
<i>Fusarium</i> (?) <i>nivale</i> (Fr.) Sor.	Snow mold	NW. Oregon	c/, g/
<i>Gloeosporium graminum</i> Rostr.	anthracnose	S. fork Alsea Riv. & Irish Bend (Benton Co.)	10,665
<i>Helminthosporium vagans</i> Drechs.	Leaf spot	Corvallis	10,121
<i>Phycomycete</i> Indet. e/	Red leaf speckle	Benton & Linn Cos.	789
<i>Puccinia poae-sudeticae</i> (West.) Jørestad	Bluegrass rust	General	(2, 7)
<i>Rhizoctonia solani</i> Kühn	Leaf rot	Corvallis	c/
<i>Septoria macropoda</i> Pass. var. <i>septulata</i> (Gz. Frag.) Sprague	Leaf spot	W. Oregon	c/ 8301
<i>S. nodorum</i> Berk.	Glume blotch & leaf spot	W. Oregon	c/
<i>S. oudemansii</i> Sacc.	Leaf spot	Corvallis, Lobster Valley	10,237
<i>POA SCABRELLA</i> (Thurb.) Benth.	DESERT BLUEGRASS		
<i>Pleospore karstenii</i> Berl. & Vogl.	Leaf & culm mold	Tygh Ridge	10,759
<i>Uromyces dactylidis</i> Otth.	Tar rust	Cchoco Nat'l Forest	10,081
<i>POA SECUNDA</i> Presl ( <i>P. sandbergii</i> Vasey)	SANDEBERG BLUEGRASS (Desert bluegrass)		
<i>Erysiphe graminis</i> DC.	Powdery mildew	E. Oregon	10,226
<i>Septoria macropoda</i> Pass. var. <i>grandis</i> Sprague	Leaf spot	General in E. Oreg.	c/ 10,343
<i>POA TRIVIALIS</i> L.	ROUGH BLUEGRASS		
<i>Helminthosporium poae</i> Baudys	Leaf spot	Astoria	10,330
<i>Puccinia poae-sudeticae</i> (West.) Jørestad	Bluegrass rust	Astoria	10,330
<i>Rhizoctonia solani</i> Kühn	Leaf rot	Corvallis	c/
<i>POA VASEYCHLOA</i> Scribn.	VASEY'S BLUEGRASS		
<i>Cladosporium herbarum</i> Lk.	Secondary leaf rot	Mayer Park	872
<i>Erysiphe graminis</i> DC.	Powdery mildew	Wasco & Sherman Cos.	114
<i>Phytophthora</i> sp.	Greasy brown spot	Mayer Park	872
<i>POLYPOGON MONSPELIENSIS</i> (L.) Desf.	RABBITFOOT GRASS		
<i>Erysiphe graminis</i> DC.	Powdery mildew	Biggs	8439

PUCCINELLIA DISTANS (L.) Parl. Cladosporium herbarum Lk.				
PUCCINELLIA NUTKAENSIS (Presl) Fern. & Weath. Puccinia (?) rubigo-vera (DC.) Wint.				
PUCCINELLIA NUTTALLIANA (Schult.) Hitchc. Puccinia rubigo-vera (DC.) Wint.				
SCRIBNERIA BOLANDERI (Thurb.) Hack. Uromyces jacksonii Arth. & Fromme				
SECALE CEREALE L. Cercospora herpotrichioides Fron. Claviceps purpurea (Fr.) Tul. Erysiphe graminis DC. Fusarium culmorum (Sm.) Sacc. F. scirpi var. acuminatum (Ell. & Ev.) Wr. Helminthosporium sativum P.K. & B. Puccinia glumarum (Schm.) Eriks. & Henn.				
P. graminis Pers. P. rubigo-vera secalis (Eriks.) Carl.				
Rhynchosporium secalis (Oud.) J.J. Davis Sclerotrichum graminis Fckl. Tilletia sp. Wojnowicia graminis (McAlp.) Sacc.				
SETARIA ITALICA (L.) Beauv. Cladosporium herbarum Lk. Epicoccum purpurascens Ehrbg.				
SETARIA VIRIDIS (L.) Beauv. Bacterium holci Kendrick [Phytomonas h. Bergey et al.]				
EURASIAN ALKALI GRASS Leaf mold	Klamath Falls	807		
PACIFIC ALKALI GRASS Leaf rust	Klamath Falls	10,082		
NUTTALL ALKALI GRASS (Zawadke alkali grass) Leaf rust	Union & Jackson Cos.	(7)		
SCRIBNER GRASS Jackson's rust	-----	(2)		
RYE Cercospora foot rot Ergot Powdery mildew Root rot Secondary root rot Dry land root rot Stripe rust	Wasco & Union Cos. Scattered W. Oregon Wasco & Union Cos. Sherman County Moro	(14) 5223 5218 (1) (8) c/ c/ (6) Herb. Univ. of Idaho (1)		
Stem rust Leaf rust	----- Marion, Lincoln, & Linn Counties	(2)		
Leaf scald Leaf stripe Stinking smut Secondary root rot	Corvallis Lincoln County Central Morrow Co. E. Oreg. prairies	259 257 Sent to W.S.C. (11) c/		
FOXTAIL MILLET Leaf mold Leaf mold	Salem Corvallis	773 10,497		
GREEN BRISTLEGRASS Leaf blight	Seaside	10,488		

SITANION HANSENI (Scribn.) J.G. Smith Ustilago sitanii Fisch.	HANSEN SQUIRRELTAIL Loose smut	Klamath Falls (D.C. Smith)	13,165
SITANION HYSTRIX (Nutt.) J.G. Smith (S. californicum J. G. Smith) Aschoyia graminicola Sacc. var. holci Sacc. Puccinia glumarum (Schm.) Eriks. & Henn. P. pattersoniana Arth. P. rubigo-vera (DC.) Wint. Scolecotrichum graminis Fekl. Selenothema denacis var. stomaticola (Bauml.) Sprague & Johnson S. passerinii Sacc.	SQUIRRELTAIL (Bottle brush squirreltail) Leaf spot Stripe rust Rust Leaf rust Leaf stripe Selenothema spot Leaf & Sheath spot	Mt. Hood Redmond N. Powder (Smith) E. Oregon Echo Mt. Hood (Adlard) Mt. Hood Nat'l Forest	10,770 (2, 7) 350 (2, 7) 10,083 10,770 c/ 10,382
SITANION JUBATUM J. G. Smith Puccinia glumarum (Schw.) Eriks. & Henn. P. rubigo-vera (DC.) Wint. Scolecotrichum graminis Fekl.	BIG SQUIRRELTAIL Stripe rust Leaf rust Leaf stripe	Redmond S. Oregon Wasco County	(2, 7) (2, 7) 10,163
SORGHUM VULGARE Pers. Sorosporium reilianum (Kühn) McAlp. Sphaelotheca sorghi (Lk.) Clinton	SORGHUM Head smut Kernel smut	Ashland -----	1201 (15)
SORGHUM VULGARE var. SUDANENSE (Piper) Hitchc. Sphaelotheca sorghi (Lk.) Clinton	SUDAN GRASS Kernel smut	S. Oreg., Eugene	11
SPOROBOLUS AIROIDES Torr. Puccinia luxuriosa Syd.	ALKALI SACATON (Hairgrass dropseed) Rust	Harney County	(2)
STIPA COLUMBIANA var. NELSONI (Scribn.) Hitchc. Septoria stipina Diod.	COLUMBIA NEEDLEGRASS Leaf spot	Long Creek, Blue Mts.	10,761
STIPA COMATA Trin. & Rupr. Puccinia stipae Arth. Scolecotrichum graminis Fekl. Ustilago hypodytes (Schl.) Fr.	NEEDLE AND THREAD Rust Leaf stripe Stem smut	Umatilla & Sherman Counties Crook County Umatilla County	(2, 7) 10,084 1368



STIPA OCCIDENTALIS Thurb. Ustilago hypodytes (Schl.) Fr.	WESTERN NEEDLEGRASS Stem smut	Steins Mts.	(74); (W.A.F. 236) d/
TRISETUM CANESCENS Buckl. Puccinia coronata Corda P. graminis Pers. Septoria calamagrostidis (Lib.) Sacc.	TALL DOWNY TRISETUM Crown rust Stem rust Leaf spot	Silver Creek Falls Astoria Cascade Mts. & Coast Range	271 10,294 8498
TRISETUM CERNUUM Trin. Colletotrichum graminicolum (Ces.) Wils. Mastigosporem rubricosum (Dearn. & Barth.) Sprague Puccinia coronata Corda Septoria calamagrostidis (Lib.) Sacc.	NODDING TRISETUM Anthracnose Red eye spot Crown rust Leaf spot	Bergsvik Creek Clatsop & Lincoln Counties Lincoln, Marion and Clatsop Cos. Bergsvik Creek	348 417 7536 198; 417
TRITICUM AESTIVUM L. (T. vulgare Vill.) Cercospora herpotrichioides Fr. Claviceps purpurea (Fr.) Tul. Erysiphe graminis DC. Fusarium culmorum (W.G. Sm.) Sacc. F. equiseti (Corda) Sacc. F. oxysporum Schl. F. scirpi Lamb. & Fautr. var. acuminatum (Ell. & Ev.) Wr. Helminthosporium sativum P.K. & B. Mycosphaerella tulasnei Jacz. Ophiobolus graminis Sacc. Penicillium sp. Puccinia glumarum (Schm.) Eriks. & Henn. P. graminis Pers.	WHEAT Cercospora foot rot Ergot Powdery mildew Root rot Secondary root rot Secondary root rot Secondary root rot Root rot and dry land root rot Sooty mold Take-all (?) Seedling injury Stripe rust Stem rust	Union, Umatilla, and Wasco Cos. ----- General W.Oreg. and Prairies General General General Coast & E. Oreg. Enterprise W. Oreg., Hood Riv. and Union Counties Forest Grove Scattered W. Oreg.	(14) c/ 1209 5066 (8) c/ c/ c/ c/ c/10,030;10,118 5084 c/ (1) 10,027 25,987 (2, 6, 7) (2, 7)

<i>P. rubigo-vera tritici</i> (Eriks. & Henn.) Carl.	Leaf rust	General	(2, 7)
<i>Rhizoctonia solani</i> Kühn	White foot rot	Lincoln, Benton, & Lane Counties	(10) c/10,028
<i>Septoria tritici</i> Rob.	Leaf blotch	General	10,005
<i>Tilletia foetida</i> (Wal.) Liro	Stinking smut	General	(1)
<i>T. caries</i> (DC.) Tul.	Stinking smut	General	(1)
<i>Ustilago tritici</i> Rostr.	Loose smut	Scattered	5096
<i>Wojnowicia graminis</i> (McAlp.) Sacc.	Secondary root rot	Wasco & Union Cos.	(11) c/
<b>TRITICUM DICOCCUM</b> Schrank			
<i>Cercospora herpotrichioides</i> Fron	<i>Cercospora</i> foot rot	Wasco County	(14) c/
<i>Fusarium culmorum</i> (W.G. Sm.) Sacc.	Root rot	Lincoln County	c/
<i>Puccinia glumarum</i> (Schm.) Eriks. & Henn.	Stripe rust	Moro	(2, 7)
<i>P. rubigo-vera tritici</i> (Eriks. & Henn.) Carl.	Leaf rust	Wasco County	e/
<i>Septoria tritici</i> Rob.	Leaf blotch	Granger	648
<i>Wojnowicia graminis</i> (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Wasco & Union Cos.	(11) g/
<b>TRITICUM DICOCCUM</b> Schrank. var <i>FARRUM</i> Bayle			
<i>Septoria tritici</i> Rob.	Leaf blotch	Benton County	10,726
<b>TRITICUM DURUM</b> Desf.			
<i>Cercospora herpotrichioides</i> Fron	<i>Cercospora</i> foot rot	Union & Wasco Cos.	c/, g/
<i>Fusarium culmorum</i> (W.G. Sm.) Sacc.	Root rot	Union County	c/, g/
<i>Wojnowicia graminis</i> (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Union & Wasco Cos.	c/, g/
<b>TRITICUM MONOCOCCUM</b> L.			
<i>Cercospora herpotrichioides</i> Fron	<i>Cercospora</i> foot rot	Union & Wasco Cos.	c/ 10,017
<i>Wojnowicia graminis</i> (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Union County	c/, g/
<b>TRITICUM POLONICUM</b> L.			
<i>Mycosphaerella tulasnei</i> Jacz.	Leaf rot and blotch	Granger	10,679
<b>TRITICUM SPELTA</b> L.			
<i>Cercospora herpotrichioides</i> Fron	<i>Cercospora</i> foot rot	Union County	c/, g/
<i>Fusarium culmorum</i> (W.G. Sm.) Sacc.	Root rot	Lincoln County	c/, g/
<i>Helminthosporium sativum</i> P.K. & B.	Foot rot	Lincoln County	c/
<i>Puccinia graminis</i> Pers.	Stem rust	Lincoln County	7602

<i>P. rubigo-vera tritici</i> (Eriks. & Henn.) Carl.	Leaf rust	Union, Wasco, and Lincoln Counties	7611
<i>Rhizoctonia solani</i> Kühn	White root rot	Alsea Riv. Valley	c/ 10,400
<i>Septoria nodorum</i> Berk.	Leaf spot	Lincoln County	10,365
<i>S. tritici</i> Rob.	Leaf blotch	Lincoln County	f/ c/ g/
<i>Ustilago tritici</i> Rostr.	Loose smut	Lincoln County	
<i>Wojnowicia graminis</i> (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Union County	
<i>TRITICUM TURGIDUM</i> L.	POLLARD WHEAT		
<i>Septoria tritici</i> Rob.	Leaf blotch	Granger	10,680
<i>ZEA MAYS</i> L.	MAIZE (Indian corn)		
<i>Epicoccum neglectum</i> Desm. (? Saprophyte)	Leaf rot	Benton & Lincoln Cos.	10,008
<i>Fusarium culmorum</i> (W. G. Sm.) Sacc.	Root rot	W. Oregon	(8) g/
<i>Helminthosporium turcicum</i> Pass.	Leaf blight	Lincoln County	g/
<i>Physoderma zeae-maydis</i> Shaw	Brown spot	Benton County	(3) Owens and Zundel
<i>Sorosporium reilianum</i> (Kühn) McAlp.	Head smut	Willamette Valley	
<i>Ustilago zeae-mays</i> (DC.) Wint.	Smut	E. & S. Creg.	

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